Reed Auto Switch Band Mounting Type D-B53/D-B54/D-B64

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Grommet



△Caution

Precautions

Do not drop or bump the auto switch while handling it as it may result in the auto switch breaking.

Auto Switch Specifications

Refer to SMC website for the details of the products conforming to the international standards.

PLC: Programmable Logic Controller

D-B5 (With indicator light)							
Auto switch model	D-B53	D-B54					
Applicable load	PLC	Relay, PLC					
Load voltage	24 VDC(4)	24 VDC(4)	100 VAC	200 VAC			
Load current range (3)	5 to 50 mA	5 to 50 mA	5 to 25 mA	5 to 12.5 mA			
Internal circuit*	3	1					
Contact protection circuit	None	Built-in					
Internal voltage drop	2.4 V or less	2.4 V or less (Up to 20 mA)/3.5 V or less (Up to 50 mA)					
Indicator light	Red	Red LED illuminates when turned ON.					
Standard		CE marking					
D-B6 (Without indicator light)							
Auto switch model	D-B64						
Applicable load	Relay, PLC						
Load voltage	24 V AC or less	100 V	AC	200 VAC			
Max. load current	Max. 50 mA	Max. 25	mA M	ax. 12.5 mA			
Internal circuit*	2						
Contact protection circuit	Built-in						
Internal resistance	25 Ω or less						
Standard	CE marking						

Oilproof Heavy-duty Lead Wire Specifications

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Auto switch model		D-B53/B54/B64			
Sheath	Outside diameter [mm]	ø4			
Insulator	Number of cores	2 cores (Brown/Blue)			
insulator	Outside diameter [mm]	ø1.22			
Conductor	Effective area [mm2]	0.3			
Conductor	Strand diameter [mm]	ø0.08			
Lead wire minimum bending radius [mm] (Reference values)		24			

^{*} Refer to the applicable internal circuit diagram (numbers ① to ⑦) on page 1587.

Note 3) Under 5 mA, the strength of the indicator light is poor. In some cases, visibility of the indicator light will not be possible where the output signal is less than 2.5 mA. However, there is no problem in terms of contact output, when an output signal exceeds 1 mA or more.

Note 4) The auto switches can operate at 12 VDC, but consider the internal voltage drop of the auto switch described in Reed Auto Switch Precautions on page 12.

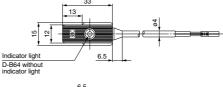
Weight

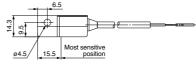
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Auto switch model		D-B53	D-B54	D-B64
	0.5 m (Nil)	22	22	22
Lead wire length	3 m (L)	78	78	78
	5 m (Z)	126	126	_

Dimensions

(mm)





Note 1) Refer to page 1584 for reed auto switch common specifications.

Note 2) Refer to page 1584 for lead wire lengths.